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CENTRAL INTELLIGENCE AGENCY

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REPORT NO.

## INFORMATION REPORT

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COUNTRY USSR (Leningrad Oblast)

DATE DISTR.

14 February 1952

SUBJECT Flugov and Red October Plants  
at Leningrad

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THIS IS UNEVALUATED INFORMATION

25X1 September 1947 to August 1948

## 1. Red October Plant (Signboard at entrance).

## a. Labor:

Each shift, with 1,500 persons, 30 percent being women

## b. Production:

- (1) Electromotors 25HP, dust and waterproof
- (2) Oil coolers for aircraft
- (3) Test runs of turbojet power units

## 2. Flugov Plant (scattered observations).

## a. Three shifts

## b. Production:

- (1) Aluminum sheets, 6x0.6x2 inches, resembling toy airplane propellers.

The Soviets said these parts were rough parts for turbine blades.

- (2) Guide wheels for turbojet power units were cut from 20 by 4 inch aluminum disks (Soviet statements). The tips of the various blades were spaced 0.4 inches at the outer edge. There was a core of about 2 inches in the middle, each blade having a length of about 9 inches.

- (b) Manufacturing process: The blocks were eccentrically chucked and were turning. The cutting tool was fixed. The work piece was rechucked after ten minutes.

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3. Dense truck traffic between the Flugov and Red October Plants.

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April 1947 to November 1948

Red October Plant

4. Labor:

Four to five hundred persons in each of the three shifts.

5. Production:

a. Electromotors, about 10 motors per shift; armature winding work was seen in one of the sheds.

b. Manufacture of aircraft coolers (Soviet statement).

Description:

Aluminum tubes, about 40 inches long, outer diameter 0.7 to 0.8 inches, inside diameter 0.2 to 0.5 inches were placed on the lathes. The tube was then bent to an approximate semi-circle and bundles of about 25 tubes were made and tested under water with compressed air.

6. Jet engines were tested on the test stands (as Soviets said). Cigar-shaped bodies with a diameter 28 to 32 inches, and an opening on each end, were seen. Before June 1948 there was occasional work in the plant but afterwards steady work.

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1946 to October 1948

7. An old plant whose construction was interrupted by the war, but afterwards was resumed according to new plans. In October 1948, three large sheds had been erected. A fourth shed, built before the war, was only a scrap heap. Enormous expansions are planned (according to Soviets). Dates of years seen on sheds: 1938, 1939, 1940, 1941.
8. Labor:
- Total six thousand persons, three shifts.
9. Production:
- Electromotors, aircraft parts.
10. Testing of turbojet power units.
11. Soviet Air Force officers and German engineers observed the tests.

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CONFIDENTIAL25X1  Comment:

- a. From the available statements it **seems** that the two plants are part of the same factory as was assumed in a previous report.
- b. The fact that the buildings of the Red October Plant have been off-limits to PWs since late 1948, seems to indicate that the preparatory work is finished and that, after that date, the production was increased. Judging from the number of existing test **stands**, the output of the Red October Plant must have been **rather** poor at the beginning of 1949, and cannot be increased before **summer**.
- c. The turbojet power unit manufactured in the branch plant Flugov Road seems to be an axial power unit; its type, however, cannot be determined. The statement in another report\* according to which it would be an imitation of US type, must be accepted with reserve. On the whole, the two reports agree with previous conclusions.

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